

215653US-2-PCT

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PB

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

3-25-03

GUILLAUME LAFFONT ET AL

: ATTN: APPLICATION DIVISION

SERIAL NO: NEW APPLICATION :
(Based on PCT/IB01/01814)

FILED: HEREWITH :

FOR: REFRACTOMETER WITH
BLAZED BRAGG GRATINGS

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please cancel Claims 1-11 without prejudice.

Please add new Claims 12-22 as follows:

12. (New) System for measuring the refractive index of at least one medium comprising:

a waveguide comprising at least one transducer formed, in the part of the waveguide brought into contact with the medium, by a blazed Bragg grating, the spectral response of which depends on the refractive index of the medium by means of energy coupling between the guided mode and cladding modes and/or a continuum of radiative modes,

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